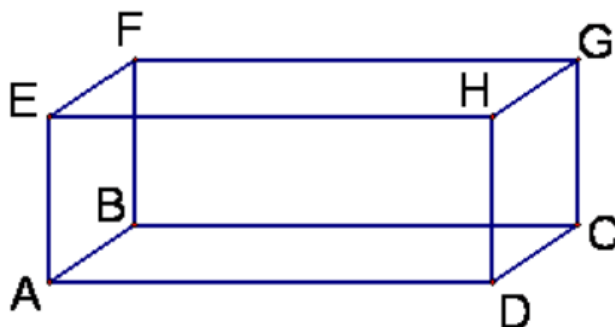


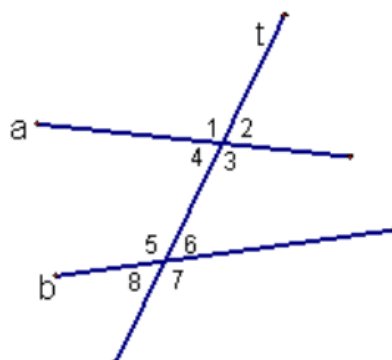
202 Review 3.1-3.4

parallel lines/planes
skew lines

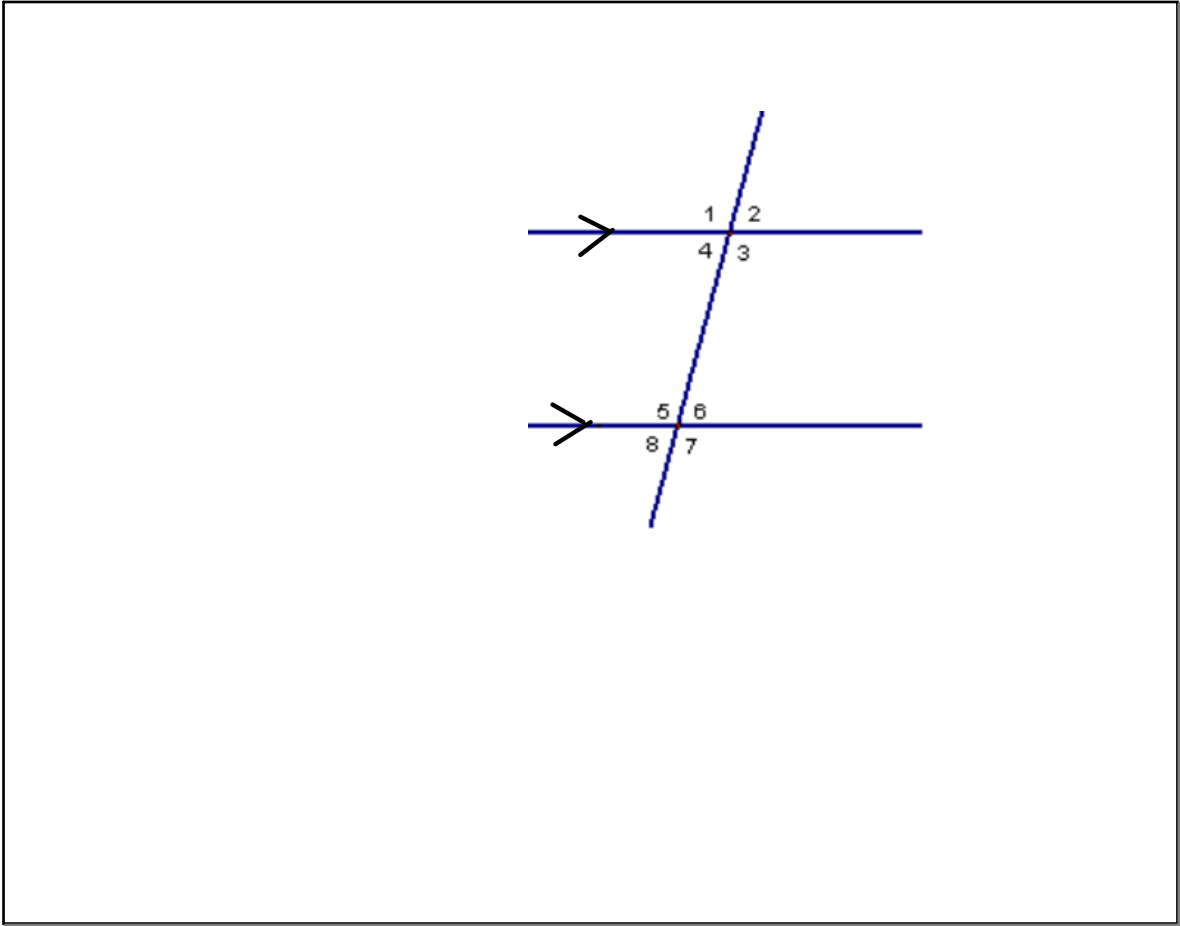


Nov 5-11:03 AM

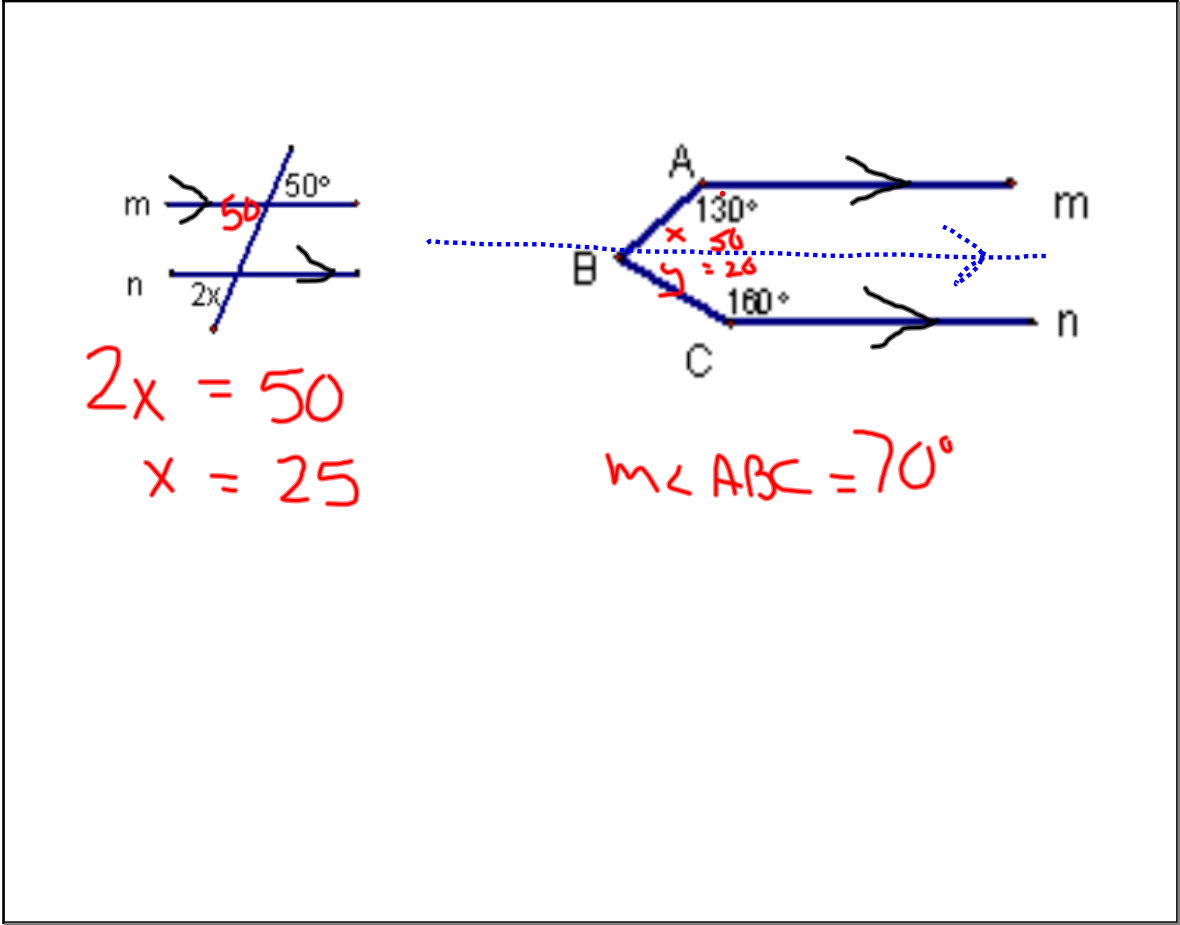
Types of Angles



Nov 5-11:05 AM

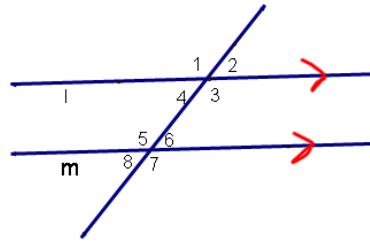


Nov 5-11:04 AM



Nov 5-11:06 AM

Given: $l \parallel m$
 Prove: $\angle 2$ and $\angle 7$ are supplementary



Statements	Reasons
① $l \parallel m$	① Given
② $\angle 3$ and $\angle 6$ are suppl.	② If $l \parallel m$, s-side int \angle s are suppl.
③ $\angle 3 \cong \angle 7$ $\angle 6 \cong \angle 2$	③ If $l \parallel m$, corr \angle s are \cong
④ $m\angle 3 + m\angle 6 = 180$	④ def of suppl.
⑤ $m\angle 7 + m\angle 2 = 180$	⑤ subst
⑥ $\angle 2$ and $\angle 7$ are suppl.	⑥ def of suppl.

Nov 5-11:09 AM

Find the slope of the line that passes through

~~(6, -3)~~ (8, -9). 0

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{-9 - -3}{8 - 6} = \frac{-6}{2} = -3$$

Nov 5-11:11 AM

Write the equation of the line

 \perp to $2x + y = 5$ and passes through $(1, -7)$.

$$\textcircled{y} = -2x + 5$$

$$m = -2$$

$$m = \frac{1}{2}$$

$$(1, -7)$$

$$y = \frac{1}{2}x + b$$

$$-7 = \frac{1}{2}(1) + b$$

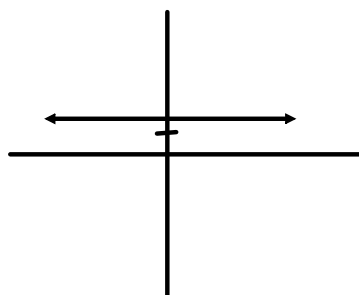
$$\textcircled{y = \frac{1}{2}x - 7\frac{1}{2}}$$

$$\rightarrow \frac{1}{2} = b$$

Nov 5-11:12 AM

Horizontal line

$$m = 0 \text{ equ: } y = 2$$

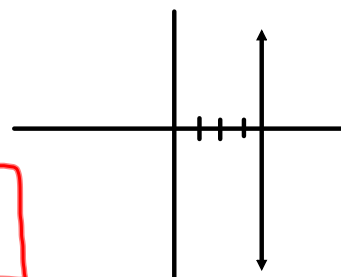


Vertical line

no slope

$$\text{undefined equ: } x = 4$$

$$\textcircled{\begin{matrix} (4, 5) \\ (4, 2) \end{matrix}}$$



$$m = \frac{3}{0} \text{ undef.}$$

Nov 16-7:29 AM